



Australian Government

Assessment Requirements for TLIC0015 Drive train to operational requirements

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- allocating attention according to priorities, including:
 - prioritising work and allocating time and resources when operating a train to operational requirements
- adapting to differences in rail traffic, associated motive power units and ancillary equipment and/or systems
- applying track or road information/characteristics to train operations
- checking fluids and carrying out processes as part of train operations in accordance with workplace requirements
- communicating and working collaboratively with others
- completing relevant documentation and/or system setup
- driving train in accordance with equipment and track/road characteristics
- identifying and assessing motive power unit defects and deficiencies and taking appropriate actions to report, isolate, repair or replace identified defective equipment in accordance with workplace procedures
- identifying job hazards and taking required actions to minimise, control or eliminate hazards
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring equipment in accordance with workplace operational requirements
- monitoring journey schedule in accordance with train documentation
- monitoring train performance, on board systems and security of rolling stock to facilitate optimum safe operation
- operating electronic communications and safety equipment to required workplace procedures
- reading, interpreting and following relevant operational instructions, workplace procedures, information and signs
- recognising problems that may arise when driving a train, and taking appropriate actions
- selecting and using required personal protective equipment (PPE) conforming to industry and work health and safety (WHS)/occupational health and safety (OHS) standards
- working systematically with required attention to detail.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- applicable state/territory legislated rail safety requirements, relevant codes of practice, system of safeworking and/or guidelines
- defects that can occur on a motive power unit and related actions that should be taken
- motive power unit controls, instruments and indicators and their purpose, location and use
- motive power unit equipment and systems including monitoring devices, braking and drive equipment, and ancillary systems
- operating controls to start the train running, accelerate, decelerate and stop
- procedures for:
 - adjusting controls to maximise efficient and safe running of rolling stock
 - braking and safety system
 - identifying equipment faults and defects, and assessing for appropriate actions
 - minor preventative maintenance, cleaning and servicing of motive power unit
 - operating and monitoring the performance of ancillary systems on a train
 - operating electronic communications equipment including safety critical communication protocols
 - responding to hazardous, abnormal situations and emergencies
 - start-up and shut-down operating
- relevant WHS/OHS and environmental procedures and regulations
- requirements for completing relevant documentation
- techniques and procedures for complying with speed and rolling stock load limits
- track and road characteristics
- train operating characteristics.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Practical assessment must occur in an appropriate range of situations in the rail workplace.

A simulator assessment is not suitable for the final assessment of this unit of competency.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- relevant and appropriate materials, tools, safety equipment and PPE currently used in

industry

- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>